

NOAA Climate Monitoring and Diagnostics Laboratory

Aerosols and Radiation

Aerosol Monitoring
Solar and Thermal Atmospheric Radiation
Radiation Measurements and Effects
Broadband UV
UV Variability
Annual Cycles and Long-Term Trends

Carbon Cycle

Carbon Dioxide Measurements
Methane Measurements
Carbon Monoxide Measurements
Nitrous Oxide and Sulfur Hexafluoride
Inverse Modeling
Data Integration

Halocarbons & other Atmospheric Trace Species

Stratospheric Ozone Depletion
Climate Change
Air Quality

Ozone and Water Vapor

Total Ozone Observations & Trends
Surface Ozone
Ozonesonde & Dobson Measurements
Atmospheric Water Vapor
Atmospheric Transport
Stratospheric Aerosols
Tropical Tropospheric Ozone

Observatory, Meteorology and Data Management Operations (Four Baseline Stations)

What Can We Do For YOU?

✓ Document Request

We borrow materials from other libraries to provide the most comprehensive service to our researchers and to supplement our own collection. We will also photocopy or scan journal articles and deliver them to you for added convenience. Request forms are available online or at the circulation desk.

✓ Reference / Research Inquiries

We provide up-to-date and innovative methods for meeting our researchers information needs. The professional library staff answers questions and provides training on electronic and manual resources.

✓ Literature Searches

Our reference staff performs searches on the hundreds of subject specific databases for our researchers. Searches can entail bibliographic verifications, author or cited reference searches, or comprehensive subject searches. Request forms are available online or at the circulation desk.

✓ New Books

New acquisitions are announced every Friday on our web site. New books are displayed at both the Main and Branch Libraries for one week. To request these new library materials complete the form on our web site. We also encourage recommendations for new acquisitions. Recommendation forms are available from the circulation desk and on our web site.

Electronic Resources

Selected Full-Text Electronic Journals

- ✓ Aerosol Science & Tech.
- ✓ Atmospheric Environment
- ✓ Atmospheric Research
- ✓ Boundary-Layer Meteorology
- ✓ Bulletin of the AMS
- ✓ Climate Diagnostics Bulletin
- ✓ Climate Dynamics
- ✓ Climatic Change
- ✓ Dynamics of Atmospheres & Oceans
- ✓ Geophysical Research Letters
- ✓ Global & Planetary Change
- ✓ International Journal of Climatology
- ✓ Journal of Aerosol Science
- ✓ Journal of Applied Meteorology
- ✓ Journal of Atmospheric & Oceanic Technology
- ✓ Journal of Atmospheric & Solar-Terrestrial Physics
- ✓ Journal of Atmospheric Chemistry
- ✓ Journal of Climate
- ✓ Journal of Geophysical Research – Atmospheres
- ✓ Journal of Hydrometeorology
- ✓ Journal of Physical Oceanography
- ✓ Journal of the Atmospheric Sciences
- ✓ Meteorological Applications
- ✓ Meteorologisch Zeitschrift
- ✓ Meteorology & Atmospheric Physics
- ✓ Monthly Weather Review
- ✓ Nature
- ✓ Science
- ✓ Tellus A & B
- ✓ Weather & Forecasting
- ✓ *and 350 additional journals*

Citation Databases

Meteorological & Geoastrophysical Abstracts (MGA) – Over 600 journal titles, as well as conference proceedings, books, reports, and monographs from 1974- present.

Web of Science (Science Citation Index) - Articles by subject, author, journal, and/or author address from 1977- present. The unique Cited Reference feature searches for articles that cite a known author or work.

INSPEC - Over 7 million records in fields such as: atmospheric optics & physics, geophysics and electronics from 1969- present.

GEOBASE - Covers geoscience journals, books, monographs, conference proceedings, and reports from 1980- present.

PapersFirst – Conference paper index worldwide from 1993- present.

Dissertation Abstracts - Dissertations and theses from 1861- present.

Atmospheric & Oceanic Sciences Subject Guide *new!*

A convenient all-in-one resource for: *journal article and citation databases, electronic full text journals and books, and Internet resources.*

Electronic Books & Reference Tools

- ✓ AccessScience : Encyclopedia of Science & Technology
- ✓ Books 24x7: full text to over 2000 premier computer science titles
- ✓ CRC Handbook of Chemistry and Physics
- ✓ Lange's Handbook of Chemistry
- ✓ Smithsonian Physical Tables
- ✓ World Almanac
- ✓ Yaw's Chemical Properties Handbook

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